REMARKS

Applicants respectfully request reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

Status of Claims:

Claims 1-6 are currently being cancelled.

No claims are currently being amended.

Claims 7-14 are currently being added.

This amendment and reply adds and cancels claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claims remain under examination in the application, is presented, with an appropriate defined status identifier.

After adding and canceling the claims as set forth above, claims 7-14 are now pending in this application.

Objection to the Specification:

In the Office Action, the specification was objected to because of "run on" sentences on pages 6 and 11 of the specification. Those portions of the specification have been amended to modify the "run on" sentences into shorter, idiomatically correct sentences. Also, other portions of the specification have been amended to improve readability.

Objection to the Claims:

In the Office Action, the claims were objected to because they "are generally narrative and indefinite." Claims 1-6 have been canceled, and new claims 7-14 are being added, whereby those new claims are believed to be unobjectionable.

Claim Rejections – Prior Art:

In the Office Action, claims 1-6 were rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent Publication No. 2003/0095542 to Chang et al. or U.S. Patent Publication No. 2003/0072330 to Yang et al. These rejections are traversed with respect to new claims 7-14, for at least the reasons given below.

(1) The phrase "said exchange comprising a channel accommodating portion for accommodating said extension telephones, coupled to said public network, and transmission

processing voice communication data between an extension telephone or said public network and an IP terminal unit" in new claim 7 is supported by paragraphs 0028, 0030 and 0031 of the specification.

(2) The phrase "said exchange comprising a call control portion for integrally managing call control information concerning to the communication between said extension telephone and said IP terminal unit and controlling based on the call control information said channel accommodating portion to perform the transmission processing of said communication voice data" in new claim 7 is supported by paragraph 0073 of the specification.

(3) The phrase "when a voice communication is performed between an extension telephone or said public network and an IP terminal unit: said channel accommodating portion, when receiving call control information from said extension telephone or said public network, changes the call control information to a packet and transmits the packet to said call control portion through said packet network" in the new claim 7 is supported by paragraphs 0030, 0031, 0054 and 0066 of the specification and Figure 7 of the drawings.

(4) The phrase "said call control portion, when receiving the call control information converted to the packet from said channel accommodating portion, according to the call control information, notifies said channel accommodating portion of a destination address of the voice communication data which said channel accommodating portion receives from said extension telephone or said public network" in new claim 7 is supported by paragraphs 0073 and 0111 of the specification and Figure 7 of the drawings.

(5) The phrase "said channel accommodating portion, when receiving the destination address from said call control portion, converts the voice communication data transmitted from said extension telephone or said public network to a packet, transmits the packet to said destination address, and performs the voice communication between said extension telephone or said public network and said IP terminal unit" in new claim 7 is supported by paragraphs 0069 and 0111 of the specification and Figure. 7 of the drawings.

(6) The phrase "when a voice communication is performed between two IP terminal units each other: said call control portion, when receiving call control information from a IP terminal unit through said packet network, according to the call control information, notifies said IP terminal unit and an IP terminal unit as an opposite party of a

destination address of said voice communication data, thereby performs the voice communication between said two IP terminal units" in new claim 7 is supported by paragraphs 0120, 0121, and 0122 of the specification and Figure 8 of the drawings.

(7) The phrase "when the number of said extension telephones or said public network increases, a plurality of channel accommodating portions can be added" in the new claim 8 is supported by paragraph 0028 of the specification. Support for the features recited in new claims 9-12 can be found in original claims 3-6.

Turning now to the cited art of record, Chang et al. discloses a system construction having a PBX 34 and a gateway server 26, in which the PRI or QSGI connects between the PBX 34 and the gateway server 26, and whereby the integrated PBX 34 and gateway server 26 are coupled to the PSTN 16 and the IP network 18. **In Chang et al., the PBX 34 and gateway server 26 are directly connected each other; which is in contrast to the present invention in which a channel accommodating portion and a call control portion are connected via a packet network**.

Further, the gateway server 26 of Chang et al. performs both a call control process and a packet process of voice communication data. **This is in contrast to the presently claimed invention, in which a call control portion performs a call control process and a channel accommodating portion performs a packet process of voice communication data**. That is, by sharing of the call control process and packet process of the voice communication data between the call control portion and channel accommodating portion, the process loads of an exchange apparatus can be distributed even if many communications occur. This results in only a smooth connection between a public network and packet network.

Yong et al. discloses, as described in paragraphs 0031 and 0033 thereof, that the IP driver 22 functions as a gate keeper and processes a call control information such as off-hook information of an IP terminal received by an IP-PBX. The IP driver has a main function of converting a telephone number and IP address which is the gate keeper function. The IP-PBX performs both the call control processing and converting data to packet (gateway card in the IP-PBX).

In contrast to this, the presently claimed invention, as described above, the call control portion takes charge of the call control processing, while the channel accommodating portion takes charge of converting voice communication data to packet. That is, because each takes

charge of one of the call control processing and converting voice communication data to packet, even if many number of communications occur, the mutual connection between the public network and packet network can be smoothly performed through distributing the processing loads of the exchanges. Further, as described in paragraph 0143 of the specification, in case of building a system composed of a packet network only, it is possible to build a full-IP network by arranging only a TM portion for performing a call control, and in case of building a hybrid system accommodating a packet network and additionally office lines and analog extension telephones, it is possible to build the system by only installing additionally a TU portion for accommodating those channels.

Therefore, the presently claimed invention is much different from Yang, as Yang does not disclose or suggest: a channel accommodating portion for transmission processing voice communication data between said extension telephone or said public network and said IP terminal unit; and a call control portion for integrally managing call control information concerning to the communication between said extension telephone and said IP terminal unit and controlling said channel accommodating portion to perform the transmission process of the communication voice data.

Accordingly, presently pending independent "exchange" claim 7, as well as presently pending independent method claim 13, are not anticipated by either Chang or by Yang.

Conclusion:

Since all of the issues raised in the Office Action have been addressed in this Amendment and Reply, Applicants believe that the present application is now in condition for allowance, and an early indication of allowance is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check or credit card payment form being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicants hereby petition for such extension under 37 C.F.R. §1.136 and authorize payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

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